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RAW SEQUENCE LISTING

DATE: 03/06/2003

PATENT APPLICATION: US/09/869,185B

TIME: 08:24:42

Input Set : A:\Ashikari Seq List 2-26-03.txt

Output Set: N:\CRF4\03062003\I869185B.raw

3 <110> APPLICANT: Ashikari, Toshihiko
 4 Ochiai, Misa
 6 <120> TITLE OF INVENTION: Method of Breeding Yeast
 8 <130> FILE REFERENCE: 46221
 10 <140> CURRENT APPLICATION NUMBER: US 09/869,185B
 12 <141> CURRENT FILING DATE: 2001-06-25
 14 <150> PRIOR APPLICATION NUMBER: PCT/JP00/07491
 16 <151> PRIOR FILING DATE: 2000-10-26
 18 <160> NUMBER OF SEQ ID NOS: 30
 20 <210> SEQ ID NO: 1
 22 <211> LENGTH: 34
 24 <212> TYPE: DNA
 26 <213> ORGANISM: Artificial Sequence
 28 <220> FEATURE:
 30 <223> OTHER INFORMATION: FRT sequence used in present invention contains SEQ ID NO:1
 32 <400> SEQUENCE: 1
 33 gaagttccta tacttttctag agaataggaa cttc 34
 36 <210> SEQ ID NO: 2
 38 <211> LENGTH: 31
 40 <212> TYPE: DNA
 42 <213> ORGANISM: Artificial Sequence
 44 <220> FEATURE:
 46 <223> OTHER INFORMATION: FRT2 which is one of a pair of FRT sequences (FRT2/FRT102)
 47 used in a DNA construct of the present invention
 49 <400> SEQUENCE: 2
 50 gaagttccta tacttttctag agaataggaa c 31
 53 <210> SEQ ID NO: 3
 55 <211> LENGTH: 31
 57 <212> TYPE: DNA
 59 <213> ORGANISM: Artificial Sequence
 61 <220> FEATURE:
 63 <223> OTHER INFORMATION: FRT102 which is one of a pair of FRT sequences (FRT2/FRT102)
 64 used in a DNA construct of the present invention
 66 <400> SEQUENCE: 3
 67 gttcctatac tttctagaga ataggaaactt c 31
 70 <210> SEQ ID NO: 4
 72 <211> LENGTH: 28
 74 <212> TYPE: DNA
 76 <213> ORGANISM: Artificial Sequence
 78 <220> FEATURE:
 80 <223> OTHER INFORMATION: FRT2W sequence reconstructed by recombination from a pair
 81 of FRT sequences (FRT2/FRT102)
 83 <400> SEQUENCE: 4

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84 gttcctatac tttctagaga ataggaac 28
87 <210> SEQ ID NO: 5
89 <211> LENGTH: 29
91 <212> TYPE: DNA
93 <213> ORGANISM: Artificial Sequence
95 <220> FEATURE:
97 <223> OTHER INFORMATION: FRT3 which is one of a pair of FRT sequences (FRT3/FRT103)
98     used in a DNA construct of the present invention
100 <400> SEQUENCE: 5
101 gaagttccta tactttctag agaatagga 29
104 <210> SEQ ID NO: 6
106 <211> LENGTH: 30
108 <212> TYPE: DNA
110 <213> ORGANISM: Artificial Sequence
112 <220> FEATURE:
114 <223> OTHER INFORMATION: FRT103 is one of a pair of FRT sequences (FRT3/FRT103)
115     used in a DNA construct of the present invention
117 <400> SEQUENCE: 6
118 ttctatact ttctagagaa taggaacttc 30
121 <210> SEQ ID NO: 7
123 <211> LENGTH: 25
125 <212> TYPE: DNA
127 <213> ORGANISM: Artificial Sequence
129 <220> FEATURE:
131 <223> OTHER INFORMATION: FRT3W sequence reconstructed by recombination from a pair
132     of FRT sequences (FRT3/FRT103)
134 <400> SEQUENCE: 7
135 ttctatact ttctagagaa tagga 25
138 <210> SEQ ID NO: 8
140 <211> LENGTH: 27
142 <212> TYPE: DNA
144 <213> ORGANISM: Artificial Sequence
146 <220> FEATURE:
148 <223> OTHER INFORMATION: FRT4 which is one of a pair of FRT sequences (FRT4/FRT104)
149     used in a DNA construct of the present invention
151 <400> SEQUENCE: 8
152 gaagttccta tactttctag agaatag 27
155 <210> SEQ ID NO: 9
157 <211> LENGTH: 27
159 <212> TYPE: DNA
161 <213> ORGANISM: Artificial Sequence
163 <220> FEATURE:
165 <223> OTHER INFORMATION: FRT104 is one of a pair of FRT sequences (FRT4/FRT104)
166     used in a DNA construct of the present invention
168 <400> SEQUENCE: 9
169 ctatactttc tagagaatag gaacttc 27
172 <210> SEQ ID NO: 10
174 <211> LENGTH: 20
176 <212> TYPE: DNA

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178 <213> ORGANISM: Artificial Sequence
180 <220> FEATURE:
182 <223> OTHER INFORMATION: FRT4W sequence reconstructed by recombination from a pair
183   of FRT sequences (FRT4/FRT104)
185 <400> SEQUENCE: 10
186 ctatactttc tagagaatag                                20
189 <210> SEQ ID NO: 11
191 <211> LENGTH: 40
193 <212> TYPE: DNA
195 <213> ORGANISM: Artificial Sequence
197 <220> FEATURE:
199 <223> OTHER INFORMATION: Oligonucleotide synthesized to insert the FRT1-a sequence
200   (including wild-type FRT sequence) into a plasmid
202 <400> SEQUENCE: 11
203 tcgacgaagt tcctatactt tctagagaat aggaacttcg          40
206 <210> SEQ ID NO: 12
208 <211> LENGTH: 40
210 <212> TYPE: DNA
212 <213> ORGANISM: Artificial Sequence
214 <220> FEATURE:
216 <223> OTHER INFORMATION: Oligonucleotide synthesized to insert the FRT1-b sequence
217   (including wild-type FRT sequence) into a plasmid
219 <400> SEQUENCE: 12
220 aattcgaagt tcctattctc tagaaagtat aggaacttcg          40
223 <210> SEQ ID NO: 13
225 <211> LENGTH: 44
227 <212> TYPE: DNA
229 <213> ORGANISM: Artificial Sequence
231 <220> FEATURE:
233 <223> OTHER INFORMATION: Oligonucleotide synthesized to insert the FRT101-a sequence
234   (including wild-type FRT sequence) into a plasmid
236 <400> SEQUENCE: 13
237 agcttgaagt tcctatactt tctagagaat aggaacttcg catg    44
240 <210> SEQ ID NO: 14
242 <211> LENGTH: 36
244 <212> TYPE: DNA
246 <213> ORGANISM: Artificial Sequence
248 <220> FEATURE:
250 <223> OTHER INFORMATION: Oligonucleotide synthesized to insert the FRT101-b sequence
251   (including wild-type FRT sequence) into a plasmid
253 <400> SEQUENCE: 14
254 cgaagttcct attctctaga aagtatagga acttca             36
257 <210> SEQ ID NO: 15
259 <211> LENGTH: 16
261 <212> TYPE: DNA
263 <213> ORGANISM: Artificial Sequence
265 <220> FEATURE:
267 <223> OTHER INFORMATION: Sequence of synthetic DNA used to prepare FRT2-a sequence
269 <400> SEQUENCE: 15

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270 ctagagaata ggaacg                                     16
273 <210> SEQ ID NO: 16
275 <211> LENGTH: 16
277 <212> TYPE: DNA
279 <213> ORGANISM: Artificial Sequence
281 <220> FEATURE:
283 <223> OTHER INFORMATION: Sequence of synthetic DNA used to prepare FRT2-b sequence
285 <400> SEQUENCE: 16
286 aattcggttcc tattct                                     16
289 <210> SEQ ID NO: 17
291 <211> LENGTH: 18
293 <212> TYPE: DNA
295 <213> ORGANISM: Artificial Sequence
297 <220> FEATURE:
299 <223> OTHER INFORMATION: Sequence of synthetic DNA used to prepare FRT102-a sequence
301 <400> SEQUENCE: 17
302 agcttggttcc tatacttt                                     18
305 <210> SEQ ID NO: 18
307 <211> LENGTH: 18
309 <212> TYPE: DNA
311 <213> ORGANISM: Artificial Sequence
313 <220> FEATURE:
315 <223> OTHER INFORMATION: Sequence of synthetic DNA used to prepare FRT102-b sequence
317 <400> SEQUENCE: 18
318 ctagaaagta taggaaca                                     18
321 <210> SEQ ID NO: 19
323 <211> LENGTH: 14
325 <212> TYPE: DNA
327 <213> ORGANISM: Artificial Sequence
329 <220> FEATURE:
331 <223> OTHER INFORMATION: Sequence of synthetic DNA used to prepare FRT3-a sequence
333 <400> SEQUENCE: 19
334 ctagagaata ggag                                         14
337 <210> SEQ ID NO: 20
339 <211> LENGTH: 14
341 <212> TYPE: DNA
343 <213> ORGANISM: Artificial Sequence
345 <220> FEATURE:
347 <223> OTHER INFORMATION: Sequence of synthetic DNA used to prepare FRT3-b sequence
349 <400> SEQUENCE: 20
350 aattctccta ttct                                         14
353 <210> SEQ ID NO: 21
355 <211> LENGTH: 16
357 <212> TYPE: DNA
359 <213> ORGANISM: Artificial Sequence
361 <220> FEATURE:
363 <223> OTHER INFORMATION: Sequence of synthetic DNA used to prepare FRT103-a sequence
365 <400> SEQUENCE: 21
366 agctttccta tacttt                                     16

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369 <210> SEQ ID NO: 22
371 <211> LENGTH: 16
373 <212> TYPE: DNA
375 <213> ORGANISM: Artificial Sequence
377 <220> FEATURE:
379 <223> OTHER INFORMATION: Sequence of synthetic DNA used to prepare FRT103-b sequence
381 <400> SEQUENCE: 22
382 ctagaaagta taggaa 16
385 <210> SEQ ID NO: 23
387 <211> LENGTH: 12
389 <212> TYPE: DNA
391 <213> ORGANISM: Artificial Sequence
393 <220> FEATURE:
395 <223> OTHER INFORMATION: Sequence of synthetic DNA used to prepare FRT4-a sequence
397 <400> SEQUENCE: 23
398 ctagagaata gg 12
401 <210> SEQ ID NO: 24
403 <211> LENGTH: 12
405 <212> TYPE: DNA
407 <213> ORGANISM: Artificial Sequence
409 <220> FEATURE:
411 <223> OTHER INFORMATION: Sequence of synthetic DNA used to prepare FRT4-b sequence
413 <400> SEQUENCE: 24
414 aattcctatt ct 12
417 <210> SEQ ID NO: 25
419 <211> LENGTH: 14
421 <212> TYPE: DNA
423 <213> ORGANISM: Artificial Sequence
425 <220> FEATURE:
427 <223> OTHER INFORMATION: Sequence of synthetic DNA used to prepare FRT104-a sequence
429 <400> SEQUENCE: 25
430 agcttctata cttt 14
433 <210> SEQ ID NO: 26
435 <211> LENGTH: 14
437 <212> TYPE: DNA
439 <213> ORGANISM: Artificial Sequence
441 <220> FEATURE:
443 <223> OTHER INFORMATION: Sequence of synthetic DNA used to prepare FRT104-b sequence
445 <400> SEQUENCE: 26
446 ctagaaagta taga 14
448 <210> SEQ ID NO: 27
450 <211> LENGTH: 29
452 <212> TYPE: DNA
454 <213> ORGANISM: Artificial Sequence
456 <220> FEATURE:
458 <223> OTHER INFORMATION: Oligonucleotide (GIN-1) synthesized to prepare a plasmid
459 containing GIN11
461 <400> SEQUENCE: 27
462 tggatccgga atttcgacgg atcaataac 29

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VERIFICATION SUMMARY

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Input Set : A:\Ashikari Seq List 2-26-03.txt

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